

## ABSTRACT

A shape-measuring device 1 measures the shape of a object to be measured 1 in which segments are arranged and bonded in rows while relatively moving the object 1 in one direction. The shape-measuring device includes rollers 31 provided corresponding to the rows of segments and displaced to follow unevenness of an end face 1a of the object while being rotated on the end face 1a due to the relative movement, detection means 35 provided corresponding to each roller 31 and detecting the amount of displacement of each roller 31, and calculation means 37 for calculating shape data of the object 1 based on the amount of displacement of the roller 31 detected by the detection means 35. The shape-measuring device 1 can accurately and promptly measure the shape of the object such as a DPF in which segments are bonded in rows.